to, or lower than, the predetermined temperature of the compaction pressure and a lubricant having a melting point higher than the predetermined temperature of the pressure molding. In this case, the content of the above-mentioned lubricant having a low melting point equivalent to, or lower than, the predetermined temperature of the compaction pressure is preferably 10 to 75% by weight relative to the entirety of the contained lubricant for compacting powder, and the content of the lubricant having a melting point higher than the predetermined temperature of the pressure molding is preferably the balance of 25 to 90% by weight.

Page 8, line 25 - page 9, line 7, delete current paragraph and insert therefor:

Because the lubricant for die lubrication has a melting point higher than the predetermined temperature of the compaction pressure, the lubricant is not fused and is present as a solid powder on the surface of the die so that the function of lubricating on the surface of the die is maintained, the density of the compact is increased, and the ejection force is not increased. On the other hand, when the lubricant for die lubrication has a melting point lower than the predetermined temperature of the compaction pressure, the lubricant fuses on the surface of the die and spreads in a liquid state. This is advantageous from the viewpoint of uniform adhesion, although there are problems in that the lubricant flows out of the surface of the die, or even if the lubricant does not flow out, the lubricant may be suctioned into the powder by a capillary phenomenon during the compaction of the iron-based mixed powder so that the lubricant remaining on the surface of the die may be decreased. Accompanying this, the function of lubricating on the surface of the die may be reduced and the ejection force may be increased.

Page 9, between lines 18 and 19, insert a new paragraph as follows:

group E: polypropylenes

Page 15, lines 16-23, delete current paragraph and insert therefor:

As an iron-based powder, a partially alloyed steel powder having a composition of Fe-4Ni-0.5Mo-1.5Cu was used. This partially alloyed steel powder was mixed with a graphite powder and lubricants for powder molding by a heat mixing method using a high-speed mixer so as to produce an iron-based mixed powder. The additive amount of the graphite was 0.5% by weight relative to the entire iron-based mixed powder. The kinds and the additive amounts relative to the entire iron-based mixed powder of the lubricants for compacting powder were as shown in Tables 1-1 to 1-3 below. *(basis for amendment in page 6)

Page 17, lines 3-5, delete current paragraph and insert therefor:

The resulting compacts were cut at their centers, embedded in a resin and polished.

Thereafter, the presence or absence of a coarse cavity in the cross section was observed with an optical microscope.

Page 18, delete current table and insert therefor:

		Lubricant for Die L	ubrication		Lubricant for Powder Molding in Iron-Based Mixed Powder						
Compact No.	Higher Than Tem	Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Point Equivalent to or Lower Than Temperature of Pressure Molding		Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Point Equivalent to or Lower Than Temperature of Pressure Molding			
	Content* % by weight	Kind (Melting Point)	Content* % by weight	Kind (Melting Point)		Kind (Melting Point): Content % by weight***	Content* % by weight	Kind (Melting Point) : Content % by weight***	Content* % by weight		
1	50 50	A1(150°C) A3(230°C)	-		0.4	C1(148°C):0.4	100	•	-		
2	25 75	A1(150°C) A4(216°C)	-	-	0.3	C1(148°C):0.3	100	-	-		
3	25 75	A4(216°C) H1(327°C)	-	-	0.3	J1(about 140°C):0.3	100	-	-		
4	50 50	G1(160°C) C1(148°C)	-	-	0.05	C1(148°C):0.05	100	-	-		
5	50 50	A3(230°C) D2(260°C)			0.1	C1(148°C):0.1	100	-	-		
6	25 75	A4(216°C) B1(144°C)	-	-	0.2	C1(148°C):0.2	100	-	-		

		Lubricant for Die L	ubrication	_	Lubricant for Powder Molding in Iron-Based Mixed Powder						
Compact No.	Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Point Equivalent to or Lower Than Temperature of Pressure Molding		Lubricant Content** % by weight	Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Poin Equivalent to or Lower Than Temperature of Pressure Molding			
	Content* % by weight	Kind (Melting Point)	Content* % by weight	Kind (Melting Point)		Kind (Melting Point): Content % by weight***	Content* % by weight	Kind (Melting Point) : Content % by weight***	Content* % by weight		
7	80 20	A3(230°C) E1(153°C)	-	-	0.3	J2(about 135°C):0.3	100	-	-		
8	50 50	A3(230°C) F1(155°C)	•	-	0.3	J3(about 149°C):0.3	100	-	-		
9	30 70	C1(148°C) C2(215°C)	-	-	0.2	C1(148°C):0.2	100	•	-		
10	25 75	C1(148°C) C3(255°C)	-	-	0.25	C1(148°C):0.25	100	-	-		
11	25 75	C2(215°C) C3(255°C)		_	0.25	J4(about 118°C):0.125 A2(127°C): 0.125	50 50		-		
12	25 75	G1(160°C) A3(230°C)	-	-	0.20	J5(about 125°C):0.1 J4(about 118°C):0.025 C1(148°C): 0.075	50 12.5 37.5	-	-		

Page 20, delete current table and insert therefor:

		Lubricant for Die L	ubrication		Lubricant for Powder Molding in Iron-Based Mixed Powder						
Compact No.	Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Point Equivalent to or Lower Than Temperature of Pressure Molding		Lubricant Content** % by weight	Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Point Equivalent to or Lower Than Temperature of Pressure Molding			
	Content* % by weight	Kind (Melting Point)	Content* % by weight	Kind (Melting Point)		Kind (Melting Point) : Content % by weight***	Content* % by weight	Kind (Melting Point): Content % by weight***	Content* % by weight		
13	30 70	C2(215°C) C3(255°C)	-	-	0.3	A4(216°C):0.3	100	-	-		
14	25 25 50	C1(148°C) C2(215°C) C3(255°C)	-	-	0.2	C2(215°C):0.1 C3(255°C):0.1	50 50	•	-		
15	25 75	C1(148°C) D1(220°C)	-	-	0.4	A3(230°C):0.3	75	A2(127°C):	25		

		Lubricant for Die L	ubrication		Lubricant for Powder Molding in Iron-Based Mixed Powder						
Compact No.	Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Point Equivalent to or Lower Than Temperature of Pressure Molding		Lubricant Content** % by weight	Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Point Equivalent to or Lower Than Temperature of Pressure Molding			
	Content* % by weight	Kind (Melting Point)	Content* % by weight	Kind (Melting Point)		Kind (Melting Point) : Content % by weight***	Content* % by weight	Kind (Melting Point) : Content % by weight***	Content* % by weight		
16	70 30	C2(220°C) B1(144°C)	-	-	0.05	E1(152°C):0.05	100	-	-		
17	70 30	C2(220°C) E1(153°C)	-	-	0.2	C1(148°C):0.2	100	-	-		
18	25 75	C1(148°C) 13(not fused)	-	-	0.4	C1(148°C):0.4	100	-	-		
19	50 50	D1(220°C) D2(260°C)	-		0.2	C1(148°C):0.2	100	-	-		
20	70 30	D2(260°C) D3(215°C)	-	-	0.1	F1(155°C):0.1	100		•		
21	60 40	D3(215°C) E1(153°C)	·		0.4	C3(255°C):0.2	50	A2(127°C): 0.1 C1(148°C): 0.1	25 25		
22	55 45	D3(215°C) B1(144°C)	-	-	0.35	C1(148°C):0.175 A1(150°C):0.088	50 25	A2(127°C): 0.088	25		

Page 22, delete current table and insert therefor:

		Lubricant for Die L	ubrication		Lubricant for Powder Molding in Iron-Based Mixed Powder						
Compact No.	Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Point Equivalent to or Lower Than Temperature of Pressure Molding		Lubricant Content** % by weight	Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Point Equivalent to or Lower Than Temperature of Pressure Molding			
	Content* % by weight	Kind (Melting Point)	Content* % by weight	Kind (Melting Point)		Kind (Melting Point): Content % by weight***	Content* % by weight	Kind (Melting Point) : Content % by weight***	Content* % by weight		
23	60 40	D3(215°C) F2(178°C)	-		0.25	A1(150°C):0.25	100		•		
24	50 50	B1(144°C) E1(153°C)	-	-	0.2	D1(255°C):0.2	100	<u>-</u>	•		
25	50 50	B1(144°C) I1(not fused)	-	-	0.4	D2(268°C):0.4	100	-	-		
26	30 70	E1(153°C) 12(not fused)	-	-	0.05	D3(215°C):0.05	100	-	-		

		Lubricant for Die L	ubrication		Lubricant for Powder Molding in Iron-Based Mixed Powder					
Compact No.	Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Point Equivalent to or Lower Than Temperature of Pressure Molding		Lubricant Content** % by weight	Lubricant Having Melting Point Higher Than Temperature of Pressure Molding		Lubricant Having Low Melting Poin Equivalent to or Lower Than Temperature of Pressure Molding		
	Content* % by weight	Kind (Melting Point)	Content* % by weight	Kind (Melting Point)		Kind (Melting Point): Content % by weight***	Content* % by weight	Kind (Melting Point) : Content % by weight***	Content* % by weight	
27	30 30 40	A3(230°C) C1(148°C) B1(144°C)	-	-	0.20	C1(148°C):0.20	100	-	-	
28	-	-	-	-	0.4	C1(148°C):0.4	100			
29	50	C3(255°C)	50	A2(127°C)	0.4	C1(148°C):0.4	100	-	•	
30	100	C3(255°C)		11	0.4	C1(148°C):0.4	100			
31	-	-	100	A2(127°C)	0.4	C1(148°C):0.4	100	-	-	
32	•	-	-	-	0.25	J4(about 118°C):0.125 A2(127°C): 0.125	50 50	-	-	
33	100	A2(127°C)	-	-	0.25	J5(about 125°C):0.125 J4(about 118°C):0.031 C1(148°C): 0.094	50 12.5 37.5	-	-	

Page 23, delete current table and insert therefor:

Remark		mpact	Co	Pressure Molding Condition				
	Sectional Microstructure	Appearance	Density (Mg/m³)	Ejection Force (MPa)	Temperature of Pressure Molding (°C)	Heating Temperature of Iron-Based Mixed Powder (°C)	Die Preheating Temperature (°C)	
Invention	Good	Good	7.42	16	130	130	150	
Invention	Good	Good	7.42	16	130	130	150	
Invention	Good	Good	7.40	14	130	130	150	
Invention	Good	Good	7.46	17	130	130	150	
Invention	Good	Good	7.43	16	130	130	150	
Conventiona Example	Coarse Cavity	Flaw	7.31	35	130	130	150	
Comparative	Good	Good	7.35	28	130	130	150	

]	Pressure Molding Co	ndition		Co	ompact		Remark	
Die Preheating Temperature (°C)	Heating Temperature of Iron-Based Mixed Powder (°C)	Temperature of Pressure Molding (°C)	Ejection Force (MPa)	Density (Mg/m³)	Appearance	Sectional Microstructure		
							Example	
150	130	130	25	7.33	Good	Good	Comparative Example	
150	130	130	31	7.3	Good	Good	Comparative Example	
25	25	25	35	7.20	Flaw	Coarse Cavity	Conventional Example	
25	25	25	36	7.25	Flaw	Good	Comparative Example	

Page 25, lines 1-6, delete current paragraph and insert therefor:

Regarding each of the compacts according to the invention, the ejection forces after molding was as low as about 20 MPa or less, and the density was as high as about 7.30 Mg/m³ or more in the ordinary temperature molding and was about 7.40 Mg/m³ or more in the warm molding. In the compacts, defects such as flaws and fractures were not observed.

The properties of sectional microstructure of the compact were normal, and no coarse cavities

were observed. *(basis for amendment)

Page 25, lines 11-16, delete current paragraph and insert therefor:

Regarding the Comparative Examples outside of the scope of the invention, the ejection forces were as high as more than 20 MPa, the densities in the ordinary temperature molding were as low as 7.25 Mg/m³ or less, the densities in the warm molding were as low as 7.35 Mg/m³ or less, flaws were observed on the surfaces of the compacts, or coarse cavities were observed in the vicinity of the surfaces of the cross sections of the compacts. *(basis for amendment)